## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 5087-1084	FOR FURTHER ACTION as we	see Form PCT/ISA/220 Il as, where applicable, item 5 below.		
International application No. International filing date (day/month/year)		(Earliest) Priority Date (day/month/year)		
PCT/US 08/60696 17 April 2008 (17.04.2008)		17 April 2007 (17.04.2007)		
Applicant CYPRESS SEMICONDUCTOR CORPOR		Authority and is transmitted to the applicant		
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.				
This international search report consists  It is also accompanied by a	of a total of sheets.  a copy of each prior art document cited in the	is report.		
1. Basis of the report				
a. With regard to the language, the international search was carried out on the basis of:				
the international application in the language in which it was filed.				
a translation of the international application into which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).				
b. This international search report has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).				
c. With regard to any nucleo	tide and/or amino acid sequence disclosed	in the international application, see Box No. I.		
2. Certain claims were found unsearchable (see Box No. II).				
3. Unity of invention is lacking (see Box No. III).				
4. With regard to the title,				
the text is approved as submitted by the applicant.  the text has been established by this Authority to read as follows:				
the text has been establish	ed by this Authority to read as 10,10003.			
5. With regard to the abstract,				
the text is approved as sub	omitted by the applicant.	•		
the text has been establish may, within one month from	ed, according to Rule 38.2(b), by this Authom the date of mailing of this international se	rity as it appears in Box No. IV. The applicant arch report, submit comments to this Authority.		
6. With regard to the drawings,				
a. the figure of the drawings to be published with the abstract is Figure No. 1				
as suggested by the applicant.				
as selected by this Authority, because the applicant failed to suggest a figure.				
as selected by this /	Authority, because this figure better characte	rizes the invention.		
b. none of the figures is to b	e published with the abstract.			

## INTERNATIONAL SEARCH REPORT

International application No. PCT/US 08/60696

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - H03K 19/177 (2008.04) USPC - 326/39				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) IPC(8) - H03K 19/177 (2008.04) USPC - 326/39				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 365/230.01, 365/230.03; 326/37,38,40,41				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPTO WEST (PGPB, USPT, EPAB, JPAB); Google Scholar Search Terms: Digital blocks, programmable logic device, PLD, functions, datapath, bus, terminal, connections, arithmetic, routing, channel, path, matrix, logic device, memory, random access memory, RAM, buffer, arithmetic logic unit, ALU, shifter, bit mask, conditions, etc				
C. DOCUI	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
X	US 6,121,791 A (Abbott) 19 September 2000 (19.09.2000) entire document especially abstract, col. 5, ln. 6-9, 23-37, 46-52, 63-66, col. 6, ln. 1-3, 60-65, col. 9, ln. 63-66, col. 11, 37-40, col. 17, 47-49.		1-20	
А	US 6,449,628 B1(Wasson) 10 September 2002 (10.09.2002) entire document		1-20	
*				
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Further documents are listed in the continuation of Box C.				
* Special categories of cited documents:  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the cited the				
"E" earlier	to be of particular relevance			
"L" docume	L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention cannot be			
special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "O" document referring to an oral disclosure, use, exhibition or other means				
"P" document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed				
	actual completion of the international search	Date of mailing of the international sear	ch report	
15 Septemb	er 2008 (15.09.2008)	2 2 SEP 2008		
Name and mailing address of the ISA/US  Authorized officer:				
Mail Stop PC	1ail Stop PCT, Attn: ISA/US, Commissioner for Patents Lee W. Young			
P.O. Box 1450, Alexandria, Virginia 22313-1450  Possimile No. 571-273-3201  Potr Osp: 571-272-4300  Potr Osp: 571-272-7774				